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Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire

SONY CORPORATION

COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

☒ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

☒ abstract

☒ title

☐ The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract: NONE

REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	SUGIHARA, HIDEKI ET AL: "Lithium ion-selective electrodes based on 1,10-phenanthroline derivatives" ANALYTICAL SCIENCES (1993), 9(5), 593-7 ' 1993, XP008019976 * the whole document *	1,4,7-10	C09K11/06 C07D471/04 H01L51/30
X	CASE, FRANCIS H. ET AL: "Substituted 1,10-phenanthrolines. VIII. 2- and 3-Phenyl derivatives" JOURNAL OF ORGANIC CHEMISTRY (1955), 20, 1330-6 , 1955, XP002249034 * page 1332, compound no. XIV *	4,9,10	
X	DIETRICH-BUCHECKER, C. O. ET AL: "Direct synthesis of disubstituted aromatic polyimine chelates" TETRAHEDRON LETTERS (1982), 23(50), 5291-4 , 1982, XP001160721 * table 1 *	4,9,10	
A	DIETRICH-BUCHECKER, C. O. ET AL: "Interlocked macrocyclic ligands: a catenand whose rotation of one ring into the other is precluded by bulky substituents" TETRAHEDRON LETTERS (1986), 27(20), 2257-60 , 1986, XP001160722 * page 2258, compound no. 6 *	1	
A	WO 99 53724 A (UNIV PRINCETON ;UNIV SOUTHERN CALIFORNIA (US)) 21 October 1999 (1999-10-21) * page 24, line 10 - line 15 *	1,2	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 25 July 2003	Examiner Puetz, C
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

1
EPO FORM 1503 03.02 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 00 12 3668

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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25-07-2003

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9953724 A	21-10-1999	US 6287712 B1	11-09-2001
		US 6210814 B1	03-04-2001
		US 6312836 B1	06-11-2001
		AU 3486199 A	01-11-1999
		WO 9953724 A1	21-10-1999
EP 0564224 A	06-10-1993	JP 5331459 A	14-12-1993
		DE 69310982 D1	03-07-1997
		DE 69310982 T2	06-11-1997
		EP 0564224 A2	06-10-1993
		US 5393614 A	28-02-1995



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	EP 0 564 224 A (PIONEER ELECTRONIC CORP) 6 October 1993 (1993-10-06) * example 2 * -----	1,2	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 25 July 2003	Examiner Puetz, C
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

1

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